

Amendments to the Claims:

1. (original) Process for the preparation of porous polymer particles based on acrylate and/or methacrylate, comprising the steps:
 - a) provision of the reaction mixture comprising at least one monomer chosen from the group consisting of acrylate and methacrylate compounds, and at least one monoterpene as porogen;
 - b) polymerization with the formation of porous polymer particles based on acrylate and/or methacrylate.
2. (original) Process according to Claim 1, wherein the monoterpene or monoterpenes are chosen from the group consisting of citronellal, carvone, dihydrocarvone, menthone, cuminaldehyde, thujone, fenchone, camphor, safranal, borneol, carveol, α -terpeneol, dihydrocarveol, geraniol, nerol, nerolidol, citronellol, lavandulol, ipsdienol, ipsenol, piperitol, pulegol, 1, 8-cineol, 1, 4-cineol, linalool, perilla alcohol, myrcenol, sabinene hydrate, carvacrol, thymol, menthol, camphene, pinene, limonene, α -phellandrene, β -phellandrene, sabinene, terpinene, myrcene.
3. (original) Process according to Claim 1, wherein the monoterpene is linalool.
4. (original) Process according to Claim 1, wherein an additional porogen is added to the reaction mixture in step a).
5. (original) Process according to Claim 4, wherein the additional porogen is an organic solvent.
6. (currently amended) Process according to Claim 4, wherein the additional porogen is chosen from the group consisting of alkanes, ~~such as hexane~~, alcohols, ~~such as decanol~~, cyclic alcohols, ~~such as cyclohexanols~~, and aromatic hydrocarbons, ~~such as~~

toluene.

7. (original) Process according to Claim 1, wherein the reaction mixture comprises linalool and toluene as porogens.

8. (original) Process according to Claim 1, wherein the process is a process chosen from the group consisting of emulsion polymerization, soapless emulsion polymerization, seeded emulsion polymerization, the two-step swelling process in accordance with Ugelstad, multi step swelling processes, suspension polymerization, seeded suspension polymerization and dispersion polymerization.

9. (original) Process according to Claim 1, wherein the process is a two-step swelling process in accordance with Ugelstad.

10. (original) Process according to Claim 1, wherein the monomers used are acrylates or methacrylates with additional functional groups.

11. (currently amended) Process according to Claim 10, wherein said additional functional groups are groups which can be converted to quaternary ammonium groups.

12. (original) Process according to Claim 1, wherein at least one acrylate or methacrylate with pronounced hydrophilic properties is used.

13. (currently amended) Uniformly porous polymer particles based on ~~acrylate and/or a methacrylate~~ copolymer, obtainable obtained by the process according to Claim 1.

14. (currently amended) Polymer particles according to Claim 13, ~~being a methacrylate copolymer~~ wherein said particles are uniformly porous particles with a pore volume of from 0.5 to 2.0 ml/g of polymer.

15. (currently amended) Polymer particles according to Claim 13, wherein said particles are uniformly porous particles with ~~a~~ an average pore volume of from 0.5 to 2.0 ml/g of polymer.

16. (original) Polymer particles according to Claim 13, wherein said particles are uniformly porous particles with an average pore size of from 1 to 25 nm.

17. (currently amended) ~~Use of~~ A method of using porous polymer particles according to Claim 13 for ion chromatography, said method comprising the steps of:

- a) providing said particles by the process according to Claim 1,
- b) providing a matrix for ion chromatography, said matrix comprising said particles ~~according to Claim 13.~~